

Material: Nylon (AA)
Finish: Natural

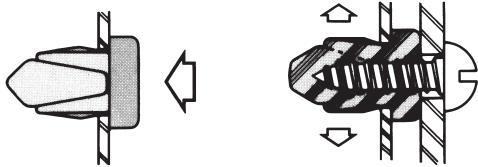


Expansion Type Plastic Fasteners

Tinnerman® **Expansion Nuts** are rugged little nylon fasteners with big advantages. Ideal for front mounted attachments, they are self-retained and fast and easy to apply. Used with No. 8 or No. 10 sheet metal screws, they resist up to 200 pounds pull. Completely enclosed in plastic, the screw threads are protected from corrosion or galvanic action. This also eliminates the danger of wire chafing or scratching on sharp screw cutting edges. Being nylon, **Expansion Nuts** offer excellent insulating qualities, both electrical and thermal.

Standard **Expansion Nuts** are available with spacer head heights from .031" to .600" and a panel range of .020" to .076". Design variations available for round and square head types include plastisol seals, oversized head dimensions, greater panel range, etc.

How to apply Expansion Type Plastic Fasteners



Simply pressed into the panel from the front side, the **Expansion Nut** is self-retained in screw receiving position. During assembly the driven screw expands the fastener behind the panel to which it is mounted, locking it in place and sealing the hole against moisture and dirt.

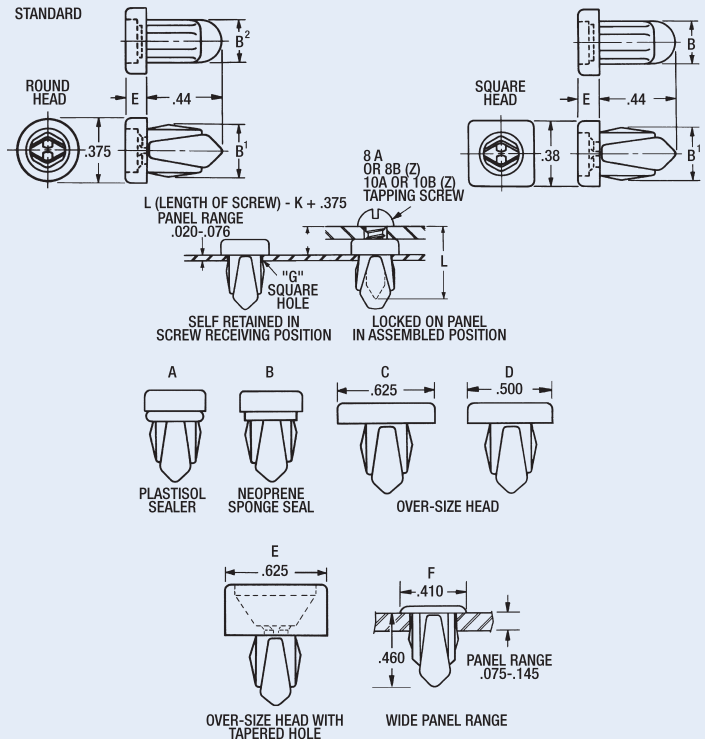


Toggle Type Plastic Fasteners

Tinnerman® nylon **Toggle Nuts** offer many assembly advantages that lead to important manufacturing cost savings. They are simple and fast to apply, provide thermal and electrical insulation, are shock and vibration resistant, and provide high shear and tensile strength.

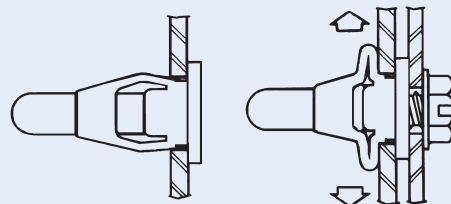
Standard "**Toggles**" have a generous panel range of .020" to .110" and offer a selection of integral spacer head heights up to 2.00" in 1/16" increments. They are corrosion proof, withstand a wide temperature range (-40° to 250°F) and have excellent dielectric properties. The mounting screw is enclosed in nylon to protect against wire chafing, scratching or galvanic action.

Variations on the standard design have been developed to meet specific needs. Some of these include special sealers, electrical connectors, oversized heads, extra panel range, extra torque values, etc.



E Head Height	Head Type	Des. Var.	B1	B2	G Sq. Mnt. Hole	Part Number
.031	Square	Std.	.305	.250	.250-.281	C60053AA-031
	Square	F	.290	.265	.265-.281	C61278AA-031
.062	Square	Std.	.305	.250	.250-.281	C60053AA-062
.100	Square	F	.290	.265	.265-.281	C61278AA-100
.250	Round	E	.305	.250	.250-.281	C61374AA-250

How to apply Toggle Type Plastic Fasteners



The "**Toggle**" snaps easily into place from the front side and is self-retained—ideal for blind attachments. As the screw is driven, the body of the fastener is drawn toward the head expanding flexible sides against the back side of the panel. Adjacent tabs are forced outward simultaneously to help seal the mounting hole against dust and moisture.